

Methods for Surface Water Samples

Analyte Group	Matrix	Technique	Reference Method	Routine Reporting Levels
Alcohols Methanol Ethanol 1-Propanol 1-Butanol 2-Butanol	Non-potable water	GC-FID	SM 8015D	10 mg/L
Ethylene Glycol	Non-potable water	GC-FID	SM 8015B	10mg/L
MBAS	Water			0.01mg/L
Inorganic ions - Bromide Chloride Fluoride Ortho-phosphate as P Sulfate as SO ₄	Non-potable water	Ion Chromatography	EPA 300.0	0.5 mg/L 0.25 mg/L 0.1 mg/L 0.25 mg/L 0.5 mg/ L
Mercury		Cold Vapor Spectrometry	EPA 245.1	0.2 µg/L
Nitrate/Nitrite	Non-potable water	Digestion of all forms of Nitrogen followed by automated colorimetric	EPA 353.2	0.05 mg/L
Total Nitrogen			EPA 353.2	1 mg/L
Phosphorus - Total	Non-potable water	Colorimetric - automated	EPA 365.1	0.05 mg/L
Residue -TDS	Non-potable water	Gravimetric	SM 2540C	10 mg/L
Residue -TSS	Non-potable water	Gravimetric	SM 2540D	10 mg/L
Coliform	Water			<1 cfu/100ml

SM = Standard Methods

SW = SW846 method

EPA = EPA method